

SCANNER WITH ARRAY ANTI-DEGRADATION FEATURES

ABSTRACT OF THE DISCLOSURE

A reader is provided that, itself, addresses the issue of damage or degradation to arrays within the reader by virtue of air exposure. In doing so, experimental variability is reduced, and read/scan signal strength degradation is minimized for arrays/slides scanned or otherwise read toward the end of a run. The subject scanners employ a filter that reduces the amount of chemicals in the air inside the device that are harmful to the array, or the dye on the array. The implementation of adding a chemical filter to the reader device may be such that air is either drawn into or, alternatively, pushed through the filter into the same. It is possible that the entirety of the device may be provided with filtered air, or just the region holding slides to be scanned. Array readers so-constructed as well as associated methodology involving filtering incoming air while reading arrays are covered.